

IAP7 Rec'd PCT/PTO 23 JAN 2006

PATENT  
Attorney Docket No.: JHU1910-5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Linzhao Cheng Art Unit: 1632  
Application No.: 10/533,514 Examiner: Not Yet Assigned  
I.A. Filing Date: November 10, 2003 Conf. No.: 4565  
Title: HUMAN EMBRYONIC STEM CELL CULTURES, AND  
COMPOSITIONS AND METHODS FOR GROWING SAME

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35**  
**U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Sir:

In response to the Notification of Missing Requirements under 35 U.S.C. 371 mailed November 23, 2005, enclosed are:

1. One (1) copy of the Notification of Missing Requirements under 35 U.S.C. 371 mailed November 23, 2005 (2 pages);
2. One (1) executed Declaration for Patent Application (3 pages);
3. One (1) Power of Attorney by Assignee (2 pages);
4. Preliminary Amendment in Response to Notification of Missing Requirements under 35 U.S.C. 371 (3 pages);
5. Statement under 37 CFR § 1.821(f) and (g) (2 pages);

<p><b>CERTIFICATION UNDER 37 CFR §1.10</b> "EXPRESS MAIL" Mailing Label Number: <u>EV 841 622 633 US</u> Date of Deposit: <u>January 23, 2006</u></p>	
<p>I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p>	
<p><u>TRUDY GEROVSKE</u> (Name of Person Mailing Paper)</p>	
<u>Judy Geroske</u> (Signature)	January 23, 2006 (Date)

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6. Verified Statement under 37 CFR § 1.821(f) (1 page);
7. Sequence Listing (2 pages);
8. One (1) CFR Disk Containing Sequence Listing; and
9. Return Receipt Postcard.

Applicants claim **SMALL ENTITY** status in the above-identified application. Pursuant to 37 C.F.R. § 1.27, a verified statement claiming small entity status is not required.

The filing fee has been calculated as follows.

	Number Filed		Number Extra		Rate		Fee	
					Small Entity	Large Entity	Small Entity	Large Entity
Total Claims	64-20	=	44	X	\$25	\$50	=	[\$1,100.00]
Independent Claims	7-3	=	4	X	\$100	\$200	=	[\$400.00]
Multiple Dependent Claims Present: <u>      </u> Yes <u> x  </u> No					\$180	\$360	N/A	N/A
Fee for Each Additional 50 Sheets in Excess of 100 Pages					\$125	\$250	N/A	N/A
							FILING FEE	[\$150.00]
							SEARCH FEE	[\$50.00]
							EXAM FEE	[\$100.00]
							SURCHARGE FEE	[\$65.00]
							TOTAL FEE	\$ 0.00

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No fee is deemed necessary in connection with the filing of this paper. However, if a fee is required, the Commissioner is hereby authorized to charge any other fees associated with the filing submitted herewith, or credit any overpayments to Deposit Account No. 07-1896. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: January 23, 2006

  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

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[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/533,514	Linzhao Cheng	JHU1910-5
		INTERNATIONAL APPLICATION NO.
		PCT/US03/35734
		I.A. FILING DATE      PRIORITY DATE
		11/10/2003      11/08/2002
CONFIRMATION NO. 4565		
371 FORMALITIES LETTER		
 *OC000000017510386*		

Date Mailed: 11/23/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 05/02/2005
- Copy of the International Search Report filed on 05/02/2005
- Preliminary Amendments filed on 05/02/2005
- Oath or Declaration filed on 05/02/2005
- Small Entity Statement filed on 05/02/2005
- Request for Immediate Examination filed on 05/02/2005
- U.S. Basic National Fees filed on 05/02/2005
- Priority Documents filed on 05/02/2005
- Specification filed on 05/02/2005
- Claims filed on 05/02/2005
- Abstracts filed on 05/02/2005
- Drawings filed on 05/02/2005

PATENT DOCKETING

NOV 28 2005

DLA PIPER

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c). Applicant must provide an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application and

a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/533,514	PCT/US03/35734	JHU1910-5